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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **SANO, Yoichiro, et al.**

Group Art Unit: **1616**

Serial No.: **10/510,958**

Examiner: **Unknown**

Filed: **October 29, 2004**

For: **CORNEAL ENDOTHELIUM-LIKE SHEET AND METHOD OF CONSTRUCTING THE SAME**

**INFORMATION DISCLOSURE STATEMENT**  
**PURSUANT TO 37 CFR 1.97(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

February 1, 2005

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO-1449. One copy of each of these documents is attached.

No fee or certification is required in connection with this Information Disclosure Statement, since it is being submitted prior to the issuance of a first official action on the merits or expiration of the three month period following the filing date or the entry of the national stage of the above-captioned application.

The above information is presented so that the Patent and Trademark Office can, in the first instance, determine any materiality thereof to the claimed invention. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the documents cited in the attached Form PTO-1449 be made of record therein and appear on the first page of any patent to issue therefrom.

The Commissioner is authorized to charge our Deposit Account No. 01-2340 for any fee which is deemed by the Patent and Trademark Office to be required to effect consideration of this statement.

Respectfully submitted,

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PATENT TRADEMARK OFFICE

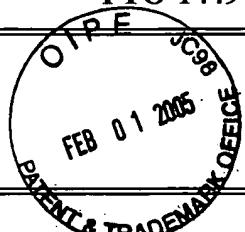
Enclosures: PTO-1449 and references (13)

INFORMATION  
DISCLOSURE  
CITATION  
PTO-1449

Atty. Docket No. 040563 Serial No. 10/510,958

Applicant(s): SANO, Yoichiro, et al.

Filing Date: October 29, 2004 Group Art Unit: 1616



### FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Translation (Yes or No)
—	AA 2001-161353	06/19/2001	Japan	Yes
—	AB WO 96/13974	05/17/1996	PCT	Yes

### OTHER DOCUMENTS

—	AC	Streilein JW, Bradley D, Sano Y, Sonoda Y: Immunosuppressive properties of tissues obtained from eyes with experimentally manipulated corneas. Investigative Ophthalmology & Visual Science, Vol. 37, No.2, p.413-424, February 1996.
—	AD	Sano Y, Streilein JW: Effects of corneal surgical wounds on ocular immune privilege. Nussenblatt RB, Whitcup SM, Capsi RR, and Gery I eds. Advances in Ocular immunology, Amsterdam, ELSEVIER, p.207-210, 1994.
—	AE	Hyldahl, L: Primary cell cultures form human embryonic corneas. J. Cell Sci. 66, P.343-351, 1984.
—	AF	Senoo T, Obara Y, Joyce N: EDTA: A promoter of proliferation in human corneal endothelium. Investigative Ophthalmology & Visual Science, Vol. 41, No.10, p.2930-2935, September 2000.
—	AG	Miyata K, Drake J, Osakabe Y, et al.: Effect of donor age on morphologic variation of cultured human corneal endothelial cells. Cornea. 20(1), p.59-61, 63, 2001.
—	AH	Bednarz J, Engelmann K: Indication for precursor cells in the adult human corneal endothelium. Investigative Ophthalmology & Visual Science, Vol.42 (Suppl.), S274, March 2001.

Examiner

Date Considered

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**OTHER DOCUMENTS**

	BA	Tsai RJ et al., Reconstruction of damaged corneas by transplantation of autologous limbal epithelial cells. New England Journal of Medicine, Vol.343, No.2, p.86-93, July 13, 2000.
	BB	Koizumi N., et al., Amniotic membrane as a substrate for cultivating limbal corneal epithelial cells for autologous transplantation in rabbits. Cornea, Vol.19, No.1, p.65-71, January 2000.
	BC	Koizumi N. et al., Cultivation of corneal epithelial cells on intact and denuded human amniotic membrane. Investigative Ophthalmology & Visual Science, Vol.41, No.9, p.2506-2513, August 2000.
	BD	Koizumi N., et al., An evaluation of cultivated corneal limbal epithelial cells, using cell-suspension culture. Investigative Ophthalmology & Visual Science, Vol.43, No.7, p.2114-2121, July 2002.
	BE	Pan Z, et al., Transplantation of corneal stem cells cultured on amniotic membrane for corneal burn: Experimental and clinical study. Chinese Medical Journal, Vol.115, No.5, p.767-769, May 2002.
	BF	

Examiner

Date Considered